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PATENT
Customer No. 22,852
Attorney Docket No. 9118.0002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
David Peter VAN HEERDEN et al.) Group Art Unit: 3721
)
Application No.: 10/814,243) Examiner: PARADISO, JOHN ROGER
)
Filed: April 1, 2004)
)
For: HERMETICALLY SEALED) Confirmation No. 6944
PRODUCT AND RELATED)
METHODS OF MANUFACTURE)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents on the attached Form PTO/SB/08. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached Form PTO/SB/08.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the

documents as prior art against any claims in the application and Applicants determine that the cited document do not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.


Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

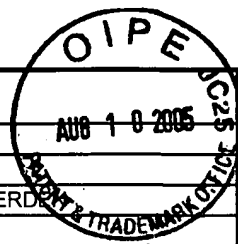
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: August 10, 2005

By: 
Michael W. Kim
Reg. No. 51,880



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| IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | Complete if Known | | |
| | | | Application Number | 10/814,243 | |
| | | | Filing Date | April 1, 2004 | |
| | | | First Named Inventor | David Peter VAN HEERDEN | |
| | | | Art Unit | 3725 | |
| | | | Examiner Name | PARADISO, JOHN ROGER | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 9118.0002 |

| U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS | | | | | |
|---|--------------------------|--|--|--|---|
| Examiner Initials | Cite No. ¹ | Document Number | Issue or Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
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Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|--------------------------------|--|--|--------------------------|
| Examiner Initials | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
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| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|---|--------------------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation ⁶ |
| | | T.S. Dyer and Z.A. Munir; "The Combustion Synthesis of Multilayer NiAl Systems"; Scripta Metallurgica et Materialia; 1994; pp. 1281-1286; Vol. 30, No. 10. | |
| | | D. Van Heerden, T.R. Rude, J. Newson, J. He, E. Besnoin, O.M. Knio, and T.P. Weihs; "A Tenfold Reduction in Interface Thermal Resistance for Heat Sink Mounting"; IMAPS Symposium; 2003. | |
| | | D. Van Heerden, A.J. Gavens, S. Jayaraman, and T.P. Weihs; "Metastable Phase Formation and Microstructural Evolution During Self-Propagating Reactions in Al/Ni and Al/Monel Multilayers"; Material Research Society Symposium Proceedings; Fall 1997; pp. 533-538; Vol. 481. | |
| | | M.E. Reiss, C.M. Esber, D. Van Heerden, A.J. Gavens, M.E. Williams, T.P. Weihs; "Self-propagating Formation Reactions in Nb/Si Multilayers"; Materials Science and Engineering; 1999; pp. 217-222; Vol. A261. | |
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| Examiner Signature | | Date Considered | |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.